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CLAIMS

1. A board for a plasma color display, on which striped barrier ribs for partitioning address electrodes and discharge spaces are formed, and on which phosphor layer stripes emitting light of red, green and blue are formed in the grooves between the respectively adjacent barrier ribs, characterized in that the following relation is satisfied

$$P_b > P_r$$

where P_r is the distance between respectively adjacent barrier ribs for forming a red light emitting phosphor layer, and P_b is the distance between respectively adjacent barrier ribs for forming a blue light emitting phosphor layer, and that the height differences of the barrier ribs within the board face are within $\pm 0.5 - \pm 6 \mu\text{m}$ in reference to the average height of the barrier ribs.

2. A board for a plasma display, according to claim 1, wherein the distance P_r between respectively adjacent barrier ribs for forming the red light emitting phosphor layer and the distance P_b between respectively adjacent barrier ribs for forming the blue light emitting phosphor layer satisfy the following relation:

$$1 \cdot P_b / P_r \leq 4 \cdot$$

3. A board for a plasma display, according to claim 1, wherein the distance P_r between respectively adjacent barrier ribs for forming the red light emitting phosphor layer and the distance P_b between

respectively adjacent barrier ribs for forming the blue light emitting phosphor layer satisfy the following relation:

$$5 \mu\text{m} \leq \text{Pb} - \text{Pr} \leq 200 \mu\text{m}$$

4. A board for a plasma display, according to claim 1, wherein the following relation is satisfied:

$$\text{Pb} > \text{Pg}$$

where Pg is the distance between respectively adjacent barrier ribs for forming the green light emitting phosphor layer, and Pb is the distance between respectively adjacent barrier ribs for forming the blue light emitting phosphor layer.

5. A board for a plasma color display, on which striped barrier ribs for partitioning address electrodes and discharge spaces are formed, and on which phosphor layer stripes emitting light of red, green and blue are formed in the grooves between the respectively adjacent barrier ribs, characterized in that phosphor layer stripes respectively emitting light of the same color are formed in respectively adjacent two or more grooves.

6. A board for a plasma display, according to claim 5, wherein the blue light emitting phosphor layer stripes are formed in the respectively adjacent two or more grooves.

7. A plasma display, which is composed of a front glass board having electrodes, a dielectric and a protective film formed on it and a rear glass board having electrodes, a dielectric, barrier ribs and phosphors formed on it, characterized in that the board for

a plasma display stated in any one of claims 1 through 6 is used as the rear board.

8. A process for producing the board for a plasma display stated in any one of claims 1 through 6, comprising the step of fully applying a photosensitive paste, the step of exposing to a barrier rib pattern, the step of developing for removing the portions dissolved by a developer, and the step of firing at 450° C to 620° C in this order, as a means for forming the barrier ribs.